

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001379

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: A61M 1/10, 1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI IPC: A61M 1/10, 1/12, F04D 1/-, 5/-, 7/-, 11/- & keywords: AXIAL, BLOOD PUMP, VENTRICULAR ASSIST, ROTOR, IMPELLER, BLADE, HYDRODYNAMIC, BEARING, and similar words.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5211546 A (ISAACSON ET AL) 18 May 1993 See whole document.	
A	US 6100618 A (SCHOEB ET AL) 8 August 2000 See whole document	
A	US 5370509 A (GOLDING ET AL) 6 December 1994 See whole document	
A	US 6227797 B1 (WATTERSON ET AL) 8 May 2001 See whole document	

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

25 November 2004

Date of mailing of the international search report

- 1 DEC 2004

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaaustralia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

BAYER MITROVIC
Telephone No : (02) 6283 2164

INTERNATIONAL SEARCH REPORT**Information on patent family members**

International application No.

PCT/AU2004/001379

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
US	5211546	AU	80560/91	US	5112200	WO	9119103
US	6100618	CA	2210762	EP	0819330	WO	9631934
US	5370509	US	5049134	US	5324177		
US	6227797	AU	39482/00	AU	89654/98	CA	2370755
		EP	1019116	EP	1176999	US	6250880
		US	2001002234	US	2001004435	US	2002018713
		US	2004028525	US	2004030216	WO	0064509
		WO	9912587				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX